



WA 10-165/T-EN54V

- Ball-proof
- Wall- and ceiling mounting
- BS 5839



EN 54-24:2008
Ref. Nr.: 007-13
ID-Code: SAA-LS07
1438-CPR-0231

ic audio GmbH, Boehringerstraße 14a,
D-68307 Mannheim, Germany

CE-Symbol gemäß Richtlinie 93/68EWG

The 10W powered speaker is equipped with a 165mm full-range loudspeaker chassis and a 100V transformer with 4 power adjustments. The high-density, shock-resistant white MDF wood housing provides a low resonance sound. A robust front grille made of steel guarantees enduring stability.

A 2 pin-ceramic block and a thermal fuse provide additional reliability. The speaker chassis is impregnated against wetness.

The speaker is secured with the high protection class IP 54 against the security risks of environmental influences.

The speaker is also compliant with the British Standard BS 5839, Part 8.

The quick and easy installation via the enclosed screws prevents the speaker from dropping when installed on ceilings. The sturdy ball-proofness qualifies the speaker for the installation in sports facilities and schools.

Technical Data (Electrical)

Description	WA 10-165/T-EN54V
Power	10/6/3/1,5 W
Impedance (100V)	1000/1667/3333/6667 ohm
Frequency Range	197 - 21.900 Hz
Frequency Response	175 - 23.500 Hz
SPL IEC268-5 , 1W/1m	93,0 dB
SPL EN54-24, Pmax/4m	91,0 dB
Sensitivity EN54-24, 1W/4m	81,0 dB
Sensitivity EN54-24, 1W/1m	93,0 dB
Dispersion -6dB, 500Hz	h=180° v=180°
Dispersion -6dB, 1KHz	h=160° v=160°
Dispersion -6dB, 2KHz	h=100° v=100°
Dispersion -6dB, 4KHz	h=60° v=60°

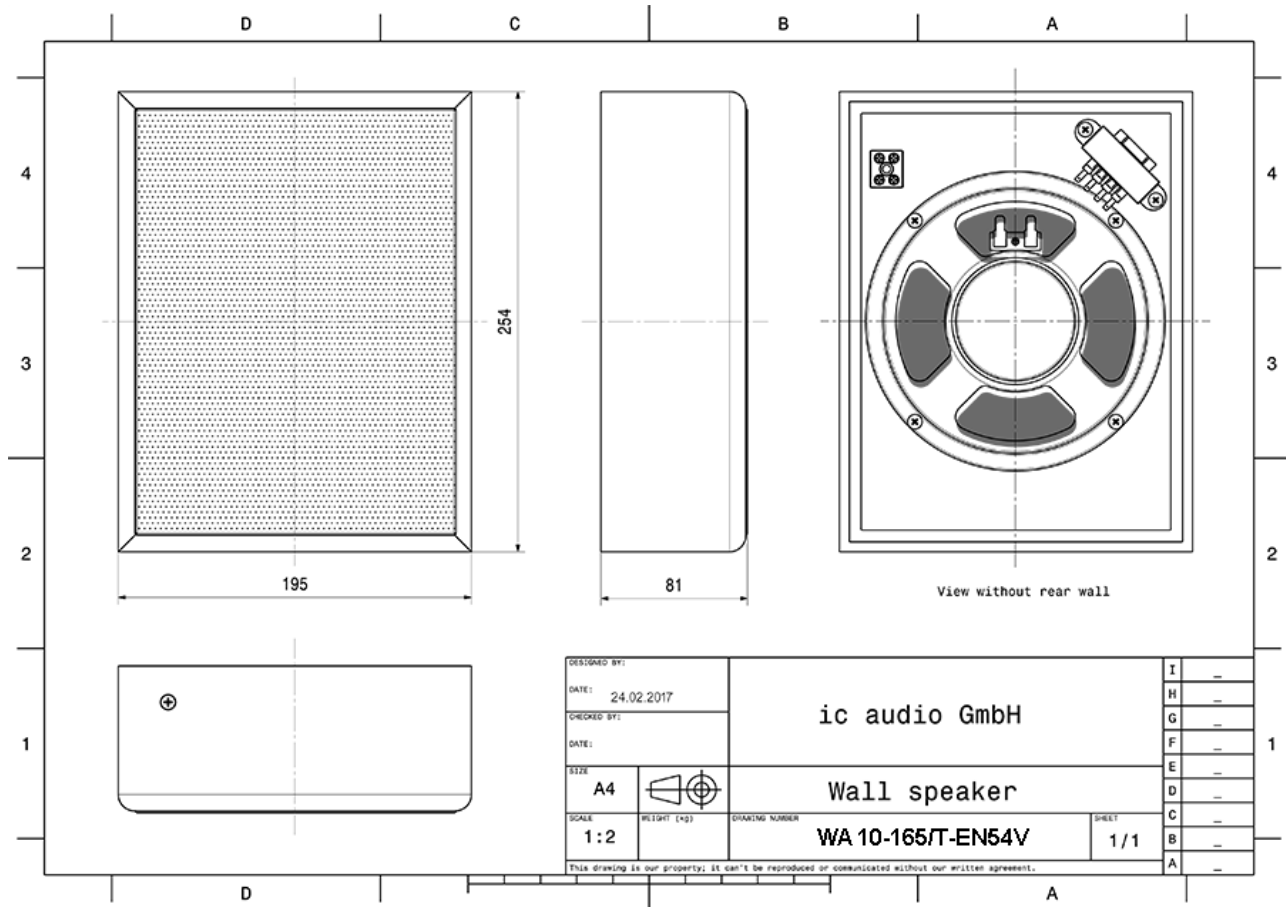
Technical Data (Mechanical)

Dimensions	253x194x82 mm
IP Rating	IP54
Weight (net)	1,89 kg
Temperature range	-10 / +55 °C
Mounting	screws
Connector	2-pin ceramic block
Terminal diameter	3,2 mm
Maximum cable cross section	8mm ²
Colour	white

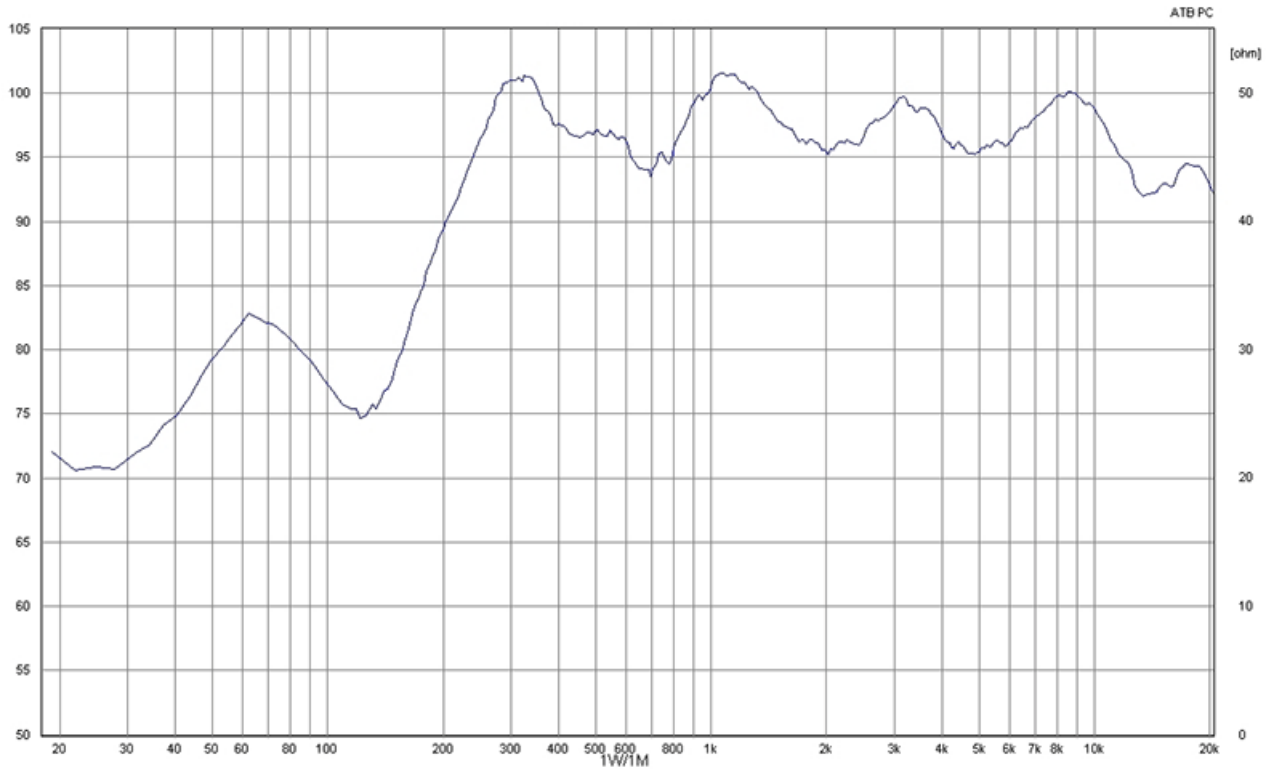
Product Attributes



Technical Diagrams



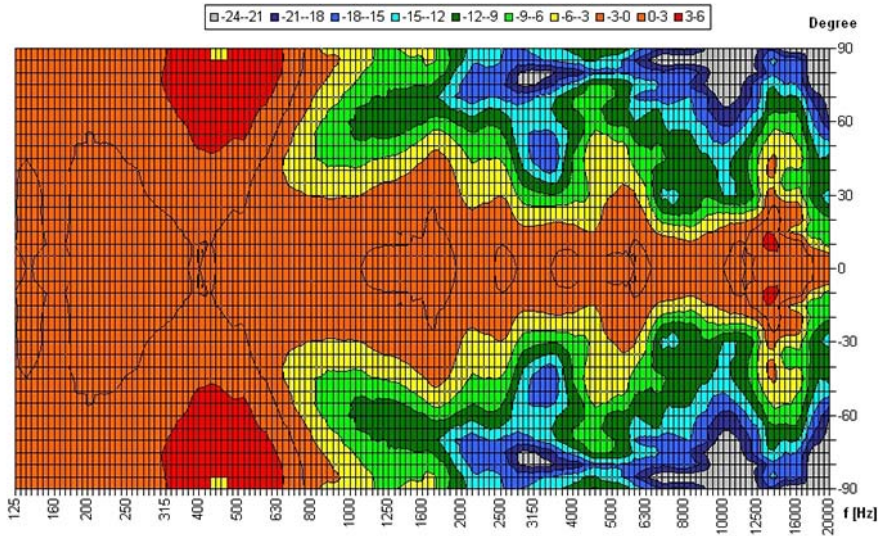
Frequency Response Diagrams



Polar Diagrams

Horizontal Isobars

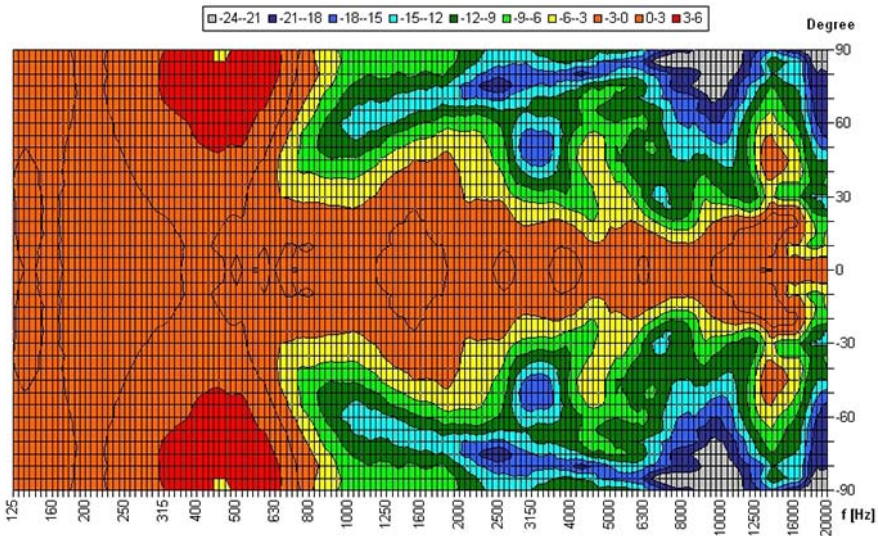
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Parameters: Cyclic Move: 0° ; Symmetry: 0,+180 sym ; Freq.Smooth: 1/3 Oct ; Ang.Resol: 5° ; Rel. to: 0° Axis 0°

Vertical Isobars

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Parameters: Cyclic Move: 0° ; Symmetry: 0,+180 sym ; Freq.Smooth: 1/3 Oct ; Ang.Resol: 5° ; Rel. to: 0° Axis 0°

ic audio loudspeakers are tested and classified according to the IEC standard 60529 (degree of protection by enclosure) against the penetration of foreign objects and moisture. The classification is conforming to standards through characterization with a fixed code. This code consists of the letters IP (International Protection) followed by two digits. The first digit indicates the degree of protection against dust and the second digit the degree of protection against water. Please note that the testing of the products has been carried out in laboratory conditions which are not always 100% comparable with the conditions of different installation environments. This protection can be reduced due to normal wear and tear depending on the installation environment.

RoHS compliant (2011/65/EU)

The IP rating specified is based on ic audio test results, not on CNBOP-PIB test results. Certification only verifies the minimum requirements for EN54-24 compliance.



Article Nr.: 20184119V

Packing Unit: 8

